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Global Chipless RFID Market based on by Component Type (Direct Thermal and Thermal Transfer), by Industry (Retail and Consumer Goods, Logistics & Manufacturing, Healthcare, Government, Aerospace & Defense, and Others), and by Region– Global Forecast up to 2030

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Abstracts

In order to gather qualitative and quantitative data for this report, a variety of sources from the supply and demand sides were interviewed throughout the main research phase. Industry professionals such as CEOs, vice presidents, marketing and sales directors, technology & innovation directors, and other associated key executives from various important firms and organisations participating in the global Global Chipless RFID Market are the main sources on the supply side. The demand side's principal sources included professionals in the field, including physicians, nurses, and hospital buy managers.

To verify the market segmentation, identify important market participants, and obtain information on important market dynamics and industry trends, primary research was carried out.

The key elements influencing the growth of the chipless RFID market are the greater efficiency that these tags provide, the low cost of production, and the growing demand for chipless RFID tags in the banking and healthcare industries. However, the development of chipless RFID is limited by data encoding and transmission. On the other hand, the industry is anticipated to benefit greatly from the increased adoption of chipless RFID by merchants and the development of cloud-based systems. Over the course of the forecast period, each of these factors is anticipated to have an impact on

the growth of the worldwide chipless RFID market.

The research on Chipless RFID offers a quantitative study of the market drivers, restraints, trends, and estimations. The ability of buyers and suppliers to make profit-driven strategic decisions and grow their supplier-buyer networks is demonstrated by Porter's five forces study. The present Chipless RFID market potential can be ascertained with the use of thorough analysis, market size, and segmentation. Investors will receive a clear futuristic vision of the industry from the study, which also contains the elements expected to have an impact on the firm either positively or adversely.

Research Methodology:

After secondary research provided a fundamental understanding of the worldwide Global Chipless RFID Market scenario, extensive primary research was carried out. A number of primary interviews were carried out with industry experts from the supply and demand sides, including C- and D-level executives, product managers, and marketing and sales managers of major manufacturers, distributors, and channel partners from tier 1 and tier 2 companies offering Autologous Stem Cell and Non-Stem Cell Based Therapies Market, as well as personnel from academia, research, and CROs. These interviews were conducted across five major regions: North America, Europe, Asia Pacific, and the Rest of the World (Latin America & the Middle East & Africa). Participants from the supply-side and demand-side participated in about 70% and 30% of the primary interviews, respectively. Through the use of questionnaires, emails, online surveys, in-person interviews, and phone interviews, this main data was gathered. The primary participants share is given below:

Global Chipless RFID Market based on Component Type:

- RFID Tags
- RFID Reader
- RFID Middleware Real-time Communication Solutions

Global Chipless RFID Market based on Industry:

- Retail and Consumer Goods

Logistics and Manufacturing

Healthcare

Government

Aerospace and Defense

Others

Global Chipless RFID Market based on Geography:

North America

US

Canada

Europe

Germany

UK

France

Italy

Spain

Rest of Europe (RoE)

Asia Pacific (APAC)

China

Japan

India

Australia

South Korea

Rest of Asia Pacific (RoAPAC)

Latin America (LATAM)

Brazil

Argentina

Rest of South America

Middle East and Africa (MEA)

UAE

Turkey

Saudi Arabia

South Africa

Rest of Middle East & Africa

In 2014, the size of the global printed and chipless RFID market was predicted to be more than USD 2 billion. The industry demand is being driven by organisations' growing requirement for inventory management and supply chain monitoring. Over the course of the predicted period, benefits are also expected to be driven by a tag's cost decreasing. Because this technology is more functional and less expensive than alternatives, the public transport sector is anticipated to utilise it more and more over the course of the next seven years.

Oyster Card (UK), Octopus Card (China), T-Monet (Seoul), Ventra (US), and Saint Petersburg City Card (Russia) are a few prominent public transport programmes that use RFID technology. These cards are used for local public transit and even train systems.

Over the course of the projection period, technological advancement is expected to lower the cost of solution implementation. Companies using Radio-Frequency identifying technology systems can benefit from a number of features, including the ability to remotely scan tags with unique identifying numbers that allow for product tracking. Some tag types have the ability to be overwritten, allowing many tags to be read at once and checking a whole pallet's worth of goods at once.

Over the course of the projected period, the retail industry is expected to trail behind the transport and logistics area as the primary application. The demand is expected to increase in the future due to the expanding public transport sector. The category held a share of over 30% of total sales in 2014 and is anticipated to expand at a compound annual growth rate (CAGR) of over 25% during the projected period.

Over the course of the projection period, the expansion of contemporary infrastructure in nations like Brazil, China, and India is expected to support market growth. Around the world, a large number of warehouses and retail locations are implementing Radio-Frequency Identification technology in order to improve customer satisfaction, inventory accuracy, store execution, on-shelf availability, shrinkage reduction, enable Omni-channel retailing, and provide big data to management that can provide fresh insights.

In 2014, the printed and chipless RFID market in North America constituted more than 35% of the total revenue. The United States is anticipated to account for more than 75% of the regional market in 2014 and to expand significantly over the course of the forecast period.

Businesses in the United States are implementing this technology to improve inventory visibility and streamline their supply chains. The Food and Drug Administration (FDA) and the US Department of Defence (DOD) have promoted the use of RFID technology in supply chain management and product tracking and tracing.

This report illustrates the most vital attributes of the global chipless RFID market, which are driving and providing opportunities.

This research gives an in-depth analysis of the global chipless RFID market growth on the basis of several segments in the market.

This report presents the predictions of the past and present trends of the global chipless RFID market.

This study also presents the competitive analysis, such as key strategies and capabilities of major players of the global chipless RFID market.

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